



APRIL 2003

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

MILWAUKEE, WI

GENERAL MITCHELL FIELD (MKE)
 Lat: 42° 56' N Long: 87° 53' W Elev (Ground): 677 Feet
 Time Zone: CENTRAL WBAN: 14839 ISSN #: 0198-5752

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE																																					
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0600 LST	1200 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																																										
																			5-SEC		2-MIN																																								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																						
01	66	37	52	12	39	44	13	0	BR HZ	0		0.0	0.00	28.94	29.69	2.2	01	9.2	23	25	17	05	01																																						
02	43	36	40	-1	32	36	25	0	BR HZ	0		0.0	0.00	29.11	29.87	17.8	02	18.1	36	02	31	02	02																																						
03	38	33	36	-5	33	34	29	0	RA FG BR	0		0.0	T	29.11	29.88	14.9	06	15.2	28	07	23	07	03																																						
04	34	28	31	-10	31	32	34	0	TSRA RA DZ FZRA FZDZ SN	0		0.3	0.64	28.99	29.75	16.5	05	17.3	35	06	29	06	04																																						
05	31	22*	27*	-15	20	25	38	0	SN BR HZ	T		0.3	0.01	29.33	30.10	10.2	32	10.4	24	28	21	32	05																																						
06	34	23	29	-13	23	28	36	0		0		0.0	0.00	29.61	30.39	13.3	08	14.0	35	08	28	08	06																																						
07	32	28	30	-12	27	29	35	0	SN BR BLSN	4		3.5	0.26	29.46	30.23	22.1	07	22.3	41*	08	33	07	07																																						
08	34	27	31	-12	25	28	34	0	SN BR	2		0.2	0.01	29.59	30.37	12.2	03	12.7	25	01	21	03	08																																						
09	43	23	33	-10	21	29	32	0	HZ	1		0.0	0.00	29.54	30.31	0.3	14	3.3	9	15	8	14	09																																						
10	57	25	41	-2	23	35	24	0	HZ	T		0.0	0.00	29.39	30.16	4.4	18	5.2	15	14	14	13	10																																						
11	62	38	50	6	25	39	15	0	HZ	0		0.0	0.00	29.23	29.98	7.7	01	10.6	29	01	23	02	11																																						
12	46	36	41	-3	29	35	24	0		0		0.0	0.00	29.40	30.16	16.1	02	16.2	32	01	28	02	12																																						
13	57	34	46	2	35	41	19	0		0		0.0	0.00	29.45	30.21	7.0	14	10.3	21	14	18	13	13																																						
14	85	47	66*	21	41	54	0	1		0		0.0	0.00	29.23	29.96	16.6	21	16.9	37	23	31	23	14																																						
15	86*	40	63	18	46	56	2	0	RA	0		0.0	T	29.01	29.73	12.8	24	19.4	39	04	33*	03	15																																						
16	43	37	40	-5	36	38	25	0	RA FG BR	0		0.0	0.02	29.14	29.90	18.6	03	19.4	38	02	30	02	16																																						
17	40	35	38	-8	32	35	27	0	RA BR	0		0.0	0.01	29.23	29.99	13.4	06	14.3	29	07	23	08	17																																						
18	40	35	38	-8	34	36	27	0	RA BR	0		0.0	0.01	29.33	30.09	12.2	03	12.5	26	01	23	01	18																																						
19	67	36	52	6	48	50	13	0	TS TSRA RA FG BR HZ	0		0.0	0.50	29.20	29.95	6.2	15	10.2	24	21	20	21	19																																						
20	66	47	57	10	50	54	8	0	RA BR HZ	0		0.0	0.08	29.00	29.74	14.2	23	15.7	38	22	28	25	20																																						
21	49	40	45	-2	36	42	20	0	RA DZ BR	0		0.0	0.02	29.04	29.78	11.5	30	14.7	31	25	24	25	21																																						
22	45	34	40	-7	30	36	25	0		0		0.0	0.00	29.31	30.07	6.4	02	8.3	29	36	20	36	22																																						
23	46	33	40	-8	25	34	25	0		0		0.0	0.00	29.42	30.19	4.5	09	5.6	13	10	10	11	23																																						
24	52	30	41	-7	31	37	24	0	HZ	0		0.0	0.00	29.25	30.01	4.3	06	5.2	17	04	12	04	24																																						
25	49	39	44	-4	28	37	21	0		0		0.0	0.00	29.12	29.88	17.7	02	18.1	40	03	31	02	25																																						
26	51	36	44	-5	22	35	21	0		0		0.0	0.00	29.22	29.97	5.5	06	8.9	26	02	18	02	26																																						
27	76	37	57	8	31	47	8	0		0		0.0	0.00	29.18	29.92	12.4	22	12.8	31	22	25	22	27																																						
28	75	46	61	11	37	50	4	0		0		0.0	0.00	29.16	29.90	5.4	30	9.4	23	30	17	31	28																																						
29	54	41	48	-2	35	41	17	0	RA	0		0.0	T	29.31	30.06	5.5	06	6.0	18	09	16	01	29																																						
30	48	40	44	-6	40	42	21	0	TSRA RA BR	0		0.0	1.05	29.15	29.90	7.6	03	8.9	30	30	23	30	30																																						
										51.6				34.8		43.2		■ ■		32.2		38.6		21.5		0.0		< MONTHLY AVERAGES		TOTALS->		4.3		2.61		29.25		30.00		4.7		04		12.4		<- MONTHLY AVERAGES															
										-2.3				-1.6		-2.0		■ ■		<-----DEPARTURE FROM NORMAL----->																				-1.17		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																			
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.05 DATE :30										SEA LEVEL PRESSURE										DATE		TIME																													
MONTHLY										GREATEST 24-HR SNOWFALL: 3.5 DATE :07										MAXIMUM										:		30.44		06		1152																									
TOTAL DEPARTURE										GREATEST SNOW DEPTH: 4 DATE :07										MINIMUM										:		29.55		01		0252																									
HEATING: 646										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 32: 8										PRECIPITATION ≥ 0.01 INCH : 11																					
COOLING: 1																				MAXIMUM TEMP ≤ 32 : 2										MINIMUM TEMP ≤ 0 : 0										PRECIPITATION ≥ 0.10 INCH : 4																					
																				THUNDERSTORMS : 3										HEAVY FOG : 0										SNOWFALL ≥ 1.0 INCH : 1																					

APRIL 2003
MILWAUKEE, WI

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

MILWAUKEE, WI

APRIL 2003

MKE

WBAN # 14839

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01												01			0.00	
02													02												02			0.00	
03													03				T								03			T	
04	0.12	T	0.12	T	T	T	T	0.02	T	0.01	T	T	04	0.01	T	T	0.14	0.06	0.13		0.01	T	T	T	04	0.62		0.64	
05	0.01	T				T	T	T			T	T	05	T										05			0.01		
06													06												06			0.00	
07					T	T	0.01	0.02	0.01	0.01	T	0.01	07	0.03	0.01	T	0.01	T	T	T			T	07	0.12		0.26		
08	T	T	T	T			T	T			T		08											08			0.01		
09													09											09			0.00		
10													10											10			0.00		
11													11											11			0.00		
12													12											12			0.00		
13													13											13			0.00		
14													14											14			0.00		
15													15											15			T		
16								0.01				T	16											16			0.02		
17											T	T	17	T	0.01	T								17			0.01		
18													18											18			0.01		
19					T	0.21	0.15	T					19		0.03	0.04	0.06	0.01	T					19			0.50		
20		0.01				0.04	0.03				T	T	20							T				20			0.08		
21					T			0.01	0.01	T			21						T					21			0.02		
22													22											22			0.00		
23													23											23			0.00		
24													24											24			0.00		
25													25											25			0.00		
26													26											26			0.00		
27													27											27			0.00		
28													28											28			0.00		
29													29				T	T	T	T				29			T		
30						T	0.02	0.09	0.02			T	30	0.08	0.17									30			1.05		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.09	.14	.16	.19	.25	.30	.37	.45	.50	.55	.64	.67
Ending Date	04	30	30	30	30	30	30	30	30	30	30	30
Ending Time (Hour/Min)	0049	1258	1302	2302	2306	2320	2336	2354	2350	2357	2350	2357

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less

BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971–2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '- ' = Light

MILWAUKEE, WI APRIL 2003

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							3.00	10.00	
02							4.00	10.00	
03							.25	4.00	
04							.75	9.00	
05							1.00	10.00	
06							7.00	10.00	
07							.25	10.00	
08							1.50	10.00	
09							5.00	10.00	
10							5.00	10.00	
11							6.00	10.00	
12							10.00	10.00	
13							8.00	10.00	
14							8.00	10.00	
15							7.00	10.00	
16							.25	10.00	
17							5.00	10.00	
18							1.25	10.00	
19							<.25	10.00	
20							2.00	10.00	
21							2.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							6.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							8.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							1.75	10.00	
MONTHLY AVGS							5.23	9.77	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 30									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 4 12 12									

OBSERVATIONS AT 3-HOURLY INTERVALS

MILWAUKEE, WI

APRIL 2003

MKE

WBAN # 14839

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Otktas		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Otktas		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
	VISIBILITY (MILES)														VISIBILITY (MILES)												
SUNRISE: 0534 APR 01						SUNSET: 1816						SUNRISE: 0524 APR 07						SUNSET: 1823									
03	SCT	NC		10.00		47	39	43	74	13	25	28.81	29.55	03	OVC	065		10.00		30	21	27	69	25	07	29.43	30.20
06	BKN	250		10.00		51	41	46	69	6	29	28.84	29.59	06	OVC	004		0.50	SN BLSN	29	27	28	92	23	08	29.42	30.20
09	SCT	NC		10.00		60	42	51	52	8	30	28.90	29.65	09	OVC	008		0.50	SN BLSN	29	27	28	92	22	07	29.41	30.19
12	BKN	130		8.00		58	41	49	54	10	10	28.95	29.70	12	OVC	008		0.75	-SN BLSN	31	30	31	96	21	07	29.41	30.19
15	BKN	250		6.00	HZ	53	39	46	59	9	09	28.95	29.69	15	OVC	008		0.50	SN BLSN	31	30	31	96	23	07	29.44	30.22
18	BKN	250		4.00	BR	39	35	37	86	8	03	29.00	29.75	18	OVC	012		8.00		30	28	29	92	21	06	29.48	30.25
21	SCT	NC		5.00	BR	37	35	36	93	8	02	29.07	29.82	21	OVC	018		7.00		29	25	28	85	16	07	29.53	30.31
24	FEW	NC		5.00	BR	40	37	39	89	8	02	29.07	29.82	24	OVC	015		2.00	-SN BR	28	25	27	88	17	06	29.55	30.32
SUNRISE: 0533 APR 02						SUNSET: 1817						SUNRISE: 0522 APR 08						SUNSET: 1824									
03	FEW	NC		5.00	HZ	37	32	35	82	18	02	29.07	29.82	03	OVC	021		2.00	-SN	28	26	27	92	15	05	29.54	30.32
06	OVC	009		5.00	HZ	37	32	35	82	16	02	29.07	29.83	06	OVC	016		10.00		30	25	28	82	14	05	29.57	30.35
09	OVC	007		8.00		38	32	36	79	17	01	29.13	29.88	09	OVC	017		3.00	-SN BR	30	27	29	88	13	05	29.60	30.38
12	OVC	007		5.00	HZ	39	32	36	76	18	02	29.14	29.90	12	OVC	017		10.00		31	25	29	79	15	02	29.61	30.39
15	BKN	250		10.00		40	32	37	73	26	02	29.12	29.88	15	OVC	023		10.00		33	25	30	72	12	04	29.59	30.37
18	FEW	NC		10.00		37	32	35	82	18	02	29.10	29.86	18	FEW	NC		10.00		32	26	30	79	13	03	29.60	30.38
21	OVC	070		7.00		39	32	36	76	15	04	29.14	29.90	21	CLR	NC		10.00		30	18	26	61	10	01	29.61	30.38
24	OVC	012		4.00	BR	38	34	36	86	14	05	29.16	29.91	24	CLR	NC		10.00		27	18	24	69	8	34	29.58	30.36
SUNRISE: 0531 APR 03						SUNSET: 1819						SUNRISE: 0520 APR 09						SUNSET: 1826									
03	OVC	010		4.00	BR	36	33	35	89	14	05	29.12	29.88	03	CLR	NC		10.00		24	17	22	75	3	30	29.58	30.36
06	OVC	006		2.50	BR	35	33	34	93	12	05	29.15	29.91	06	BKN	010		7.00		24	19	22	81	6	31	29.58	30.36
09	OVC	002		0.25	-RA FG	34	34	34	100	14	05	29.19	29.95	09	FEW	NC		8.00		35	27	32	72	0	00	29.59	30.36
12	OVC	002		0.25	BR	35	35	35	100	10	10	29.16	29.92	12	CLR	NC		10.00		39	24	33	55	3	17	29.56	30.34
15	OVC	002		1.00	BR	34	33	34	97	14	05	29.11	29.87	15	CLR	NC		10.00		42	25	35	51	7	11	29.51	30.28
18	OVC	006		3.00	BR	35	33	34	93	13	06	29.06	29.82	18	FEW	NC		10.00		39	21	32	48	5	16	29.50	30.27
21	OVC	004		3.00	BR	34	33	34	97	15	07	29.09	29.85	21	CLR	NC		10.00		36	18	30	48	0	00	29.48	30.26
24	OVC	006		3.00	BR	34	32	33	92	15	08	29.04	29.80	24	CLR	NC		10.00		32	20	28	61	0	00	29.47	30.25
SUNRISE: 0529 APR 04						SUNSET: 1820						SUNRISE: 0519 APR 10						SUNSET: 1827									
03	OVC	004		3.00	-RA BR	33	32	33	96	16	06	29.01	29.78	03	CLR	NC		10.00		26	21	24	81	0	00	29.45	30.22
06	OVC	004		2.50	-DZ BR	33	32	33	96	15	06	29.03	29.80	06	CLR	NC		5.00	HZ	29	23	27	78	0	00	29.47	30.24
09	OVC	004		1.75	-DZ BR	33	32	33	96	17	06	29.05	29.81	09	CLR	NC		9.00		47	27	39	46	8	19	29.48	30.24
12	OVC	003		0.75	-DZ BR	34	33	34	97	17	07	29.00	29.76	12	CLR	NC		10.00		54	21	41	28	10	21	29.44	30.20
15	OVC	005		0.75	-DZ BR	33	32	33	96	18	07	28.97	29.73	15	CLR	NC		10.00		55	29	44	37	10	14	29.36	30.12
18	OVC	020		0.75	-RAPL BR	32	30	31	92	23	05	28.91	29.67	18	CLR	NC		10.00		50	26	40	39	8	16	29.30	30.06
21	OVC	007		2.00	-SN BR	30	28	29	92	16	03	28.93	29.69	21	CLR	NC		10.00		44	21	35	40	5	21	29.29	30.04
24	OVC	009		1.25	-SN BR	29	27	28	92	15	36	28.96	29.72	24	CLR	NC		10.00		39	20	32	46	0	00	29.27	30.02
SUNRISE: 0527 APR 05						SUNSET: 1821						SUNRISE: 0517 APR 11						SUNSET: 1828									
03	OVC	012		10.00		26	22	25	84	13	33	29.03	29.79	03	CLR	NC		10.00		43	21	35	42	5	24	29.24	29.99
06	OVC	030		3.00	-SN BR	22	18	21	85	14	31	29.13	29.90	06	CLR	NC		10.00		45	24	37	44	5	27	29.22	29.97
09	FEW	NC		10.00		25	19	23	78	12	33	29.26	30.03	09	CLR	NC		8.00		58	29	45	33	12	32	29.22	29.96
12	OVC	028		2.50	-SN	27	19	24	72	16	31	29.36	30.14	12	CLR	NC		8.00		54	30	43	40	21	03	29.23	29.98
15	OVC	032		10.00		30	19	26	64	13	32	29.42	30.19	15	FEW	NC		10.00		53	24	41	32	17	03	29.22	29.97
18	OVC	034		10.00		30	18	26	61	10	33	29.48	30.26	18	BKN	250		10.00		48	25	39	41	10	03	29.23	29.97
21	CLR	NC		10.00		30	19	26	64	0	00	29.56	30.34	21	FEW	NC		10.00		47	22	37	37	6	36	29.23	29.98
24	SCT	NC		8.00		25	20	23	81	0	00	29.58	30.37	24	CLR	NC		10.00		46	23	37	40	15	02	29.26	30.01
SUNRISE: 0526 APR 06						SUNSET: 1822						SUNRISE: 0515 APR 12						SUNSET: 1829									
03	OVC	031		8.00		27	20	25	75	0	00	29.62	30.40	03	CLR	NC		10.00		39	29	35	67	17	01	29.30	30.06
06	OVC	027		10.00		29	22	27	75	8	11	29.65	30.43	06	CLR	NC		10.00		39	28	35	65	15	02	29.34	30.11
09	OVC	023		10.00		31	23	28	72	13	11	29.65	30.43	09	CLR	NC		10.00		39	31	36	73	25	02	29.40	30.16
12	BKN	250		10.00		33	23	29	67	18	07	29.66	30.44	12	CLR	NC		10.00		41	31	37	67	20	03	29.43	30.19
15	BKN	150		10.00		32	23	29	69	18	07	29.62	30.39	15	CLR	NC		10.00		40	30	36	68	18	02	29.42	30.19
18	OVC	140		10.00		32	26	30	79	17	06	29.57	30.35	18	CLR	NC		10.00		38	30	35	73	14	01	29.43	30.20
21	BKN	100		10.00		31	25	29	79	22	09	29.58	30.36	21	CLR	NC		10.00		38	27	34	65	13	02	29.45	30.22
24	OVC	015		10.00		30	25	28	82	17	08	29.52	30.29	24	CLR	NC		10.00		36	27	33	70	10	02	29.45	30.22

OBSERVATIONS AT 3-HOURLY INTERVALS

MILWAUKEE, WI

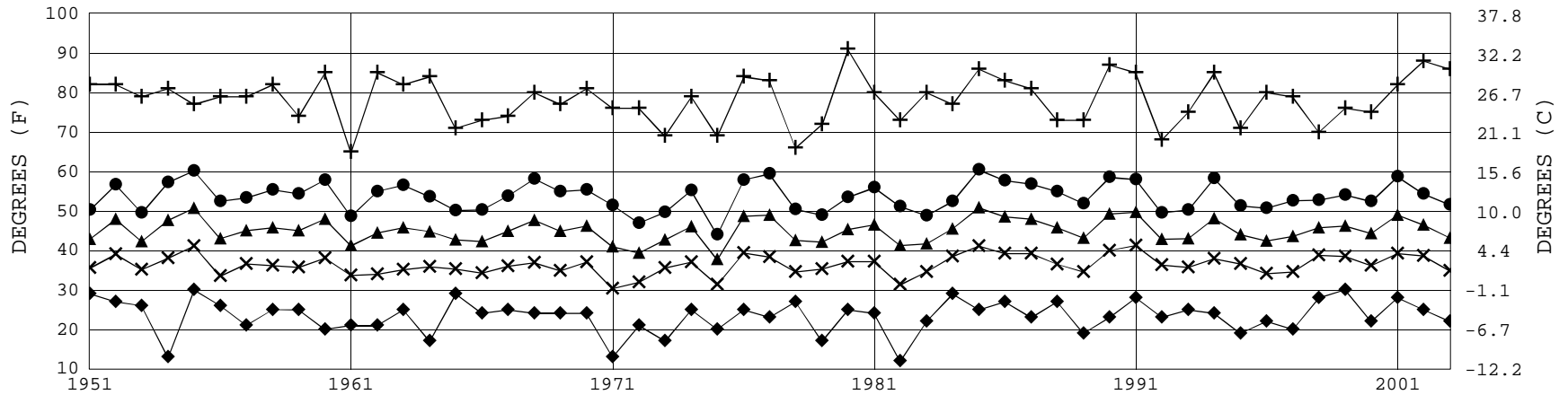
APRIL 2003

MKE

WBAN # 14839

HOUR (LST)	SATellite		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)	SATellite		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		
	SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	
	SUNRISE: 0514			APR 13		SUNSET: 1830							SUNRISE: 0504			APR 19		SUNSET: 1837						
03	CLR	NC		35	30	33	82	9	03	29.45	30.22	03	BKN	130	3.00	BR	38	37	38	97	8	07	29.29	30.05
06	CLR	NC		35	32	34	89	6	05	29.49	30.26	06	OVC	001	0.25	TSRA	40	40	40	100	8	04	29.31	30.08
09	CLR	NC		49	37	43	64	7	14	29.50	30.26	09	VV	003	0.75	BR	47	47	47	100	14	14	29.22	29.97
12	CLR	NC		52	39	46	61	14	14	29.48	30.24	12	SCT	NC	1.50	HZ	55	50	52	83	15	14	29.19	29.94
15	SCT	NC		56	38	47	51	16	14	29.43	30.19	15	OVC	200	1.75	BR	56	54	55	93	3	32	29.18	29.93
18	BKN	250		54	35	45	49	13	16	29.39	30.15	18	OVC	110	10.00		65	55	59	70	12	21	29.14	29.88
21	CLR	NC		50	34	43	54	10	18	29.40	30.16	21	OVC	100	10.00		58	50	54	75	8	15	29.11	29.85
24	CLR	NC		51	34	43	52	12	19	29.37	30.12	24	OVC	100	8.00		62	54	57	75	13	16	29.07	29.81
	SUNRISE: 0512			APR 14		SUNSET: 1831							SUNRISE: 0502			APR 20		SUNSET: 1838						
03	CLR	NC		48	34	42	58	9	19	29.33	30.09	03	OVC	050	6.00	HZ	60	54	57	80	10	18	29.00	29.73
06	FEW	NC		49	36	43	61	8	19	29.32	30.08	06	OVC	045	2.00	RA BR	61	57	59	87	18	20	28.97	29.71
09	CLR	NC		66	40	53	39	17	22	29.31	30.05	09	SCT	NC	10.00		63	53	57	70	24	22	28.97	29.70
12	SCT	NC		80	45	60	29	24	23	29.25	29.98	12	SCT	NC	10.00		64	51	57	63	24	23	28.99	29.72
15	BKN	240		85	43	61	23	25	21	29.16	29.89	15	BKN	041	10.00		61	49	54	65	20	25	29.01	29.75
18	FEW	NC		80	44	60	28	16	21	29.13	29.86	18	OVC	033	10.00		56	44	50	65	17	24	29.03	29.77
21	CLR	NC		73	42	56	33	15	22	29.12	29.85	21	OVC	055	10.00		52	41	47	66	10	24	29.04	29.78
24	CLR	NC		71	45	57	39	23	22	29.11	29.83	24	CLR	NC	10.00		47	43	45	86	12	23	29.00	29.74
	SUNRISE: 0510			APR 15		SUNSET: 1833							SUNRISE: 0501			APR 21		SUNSET: 1839						
03	BKN	250	10.00	66	45	55	47	20	23	29.07	29.80	03	OVC	020	10.00		48	41	45	77	15	25	28.95	29.70
06	BKN	250	10.00	66	45	55	47	17	24	29.06	29.78	06	OVC	014	10.00		46	42	44	86	10	26	28.95	29.69
09	BKN	250	10.00	74	47	59	38	26	24	29.05	29.78	09	OVC	065	10.00		47	42	45	83	12	29	28.95	29.70
12	OVC	250	10.00	81	51	63	35	21	24	29.01	29.73	12	OVC	029	10.00		46	35	41	66	16	30	29.01	29.75
15	OVC	250	10.00	86	54	66	33	21	23	28.93	29.65	15	OVC	034	9.00		46	33	40	61	13	33	29.06	29.80
18	BKN	250	10.00	82	50	63	33	24	23	28.88	29.61	18	BKN	039	10.00		45	33	40	63	17	31	29.10	29.85
21	BKN	180	7.00	46	40	43	79	8	01	28.99	29.73	21	OVC	035	10.00		44	31	39	60	18	35	29.16	29.91
24	BKN	085	10.00	40	37	39	89	25	03	29.01	29.75	24	OVC	033	10.00		40	29	36	65	12	35	29.19	29.94
	SUNRISE: 0509			APR 16		SUNSET: 1834							SUNRISE: 0459			APR 22		SUNSET: 1841						
03	BKN	004	9.00	40	38	39	93	16	02	29.03	29.77	03	OVC	029	10.00		40	30	36	68	13	35	29.21	29.96
06	OVC	001	0.25	39	38	39	96	22	02	29.06	29.80	06	FEW	NC	10.00		38	28	34	68	14	34	29.28	30.03
09	OVC	004	8.00	40	38	39	93	28	02	29.12	29.87	09	CLR	NC	10.00		44	30	38	58	10	04	29.30	30.05
12	OVC	130	6.00	40	38	39	93	18	03	29.17	29.93	12	CLR	NC	10.00		42	32	38	68	12	06	29.33	30.10
15	OVC	120	10.00	43	36	40	76	20	03	29.18	29.93	15	CLR	NC	10.00		42	31	37	65	7	06	29.33	30.09
18	OVC	200	9.00	40	33	37	78	20	04	29.19	29.94	18	CLR	NC	10.00		41	28	36	60	3	12	29.33	30.10
21	OVC	120	10.00	39	31	36	75	21	06	29.24	29.99	21	CLR	NC	10.00		36	30	34	79	0	00	29.38	30.14
24	SCT	NC	10.00	37	29	34	74	15	06	29.23	29.99	24	CLR	NC	10.00		36	23	31	59	3	36	29.41	30.18
	SUNRISE: 0507			APR 17		SUNSET: 1835							SUNRISE: 0458			APR 23		SUNSET: 1842						
03	OVC	110	10.00	36	30	34	79	22	07	29.20	29.96	03	CLR	NC	10.00		34	24	30	67	5	02	29.41	30.18
06	BKN	250	10.00	35	32	34	89	16	07	29.22	29.98	06	FEW	NC	10.00		34	26	31	73	8	05	29.44	30.22
09	OVC	090	10.00	38	33	36	83	15	07	29.22	29.98	09	FEW	NC	10.00		40	25	34	55	0	00	29.48	30.25
12	OVC	140	9.00	37	32	35	82	14	05	29.23	29.98	12	CLR	NC	10.00		45	28	38	52	6	VR	29.47	30.23
15	OVC	025	7.00	37	34	36	89	14	02	29.23	29.99	15	CLR	NC	10.00		46	23	37	40	10	11	29.41	30.18
18	OVC	026	10.00	37	31	35	79	12	03	29.22	29.98	18	BKN	250	10.00		41	22	34	47	7	12	29.39	30.16
21	OVC	022	10.00	37	33	35	86	12	04	29.26	30.02	21	FEW	NC	10.00		35	28	32	76	5	10	29.37	30.14
24	OVC	022	6.00	37	35	36	93	9	03	29.27	30.03	24	FEW	NC	10.00		34	27	31	76	0	00	29.37	30.13
	SUNRISE: 0506			APR 18		SUNSET: 1836							SUNRISE: 0456			APR 24		SUNSET: 1843						
03	OVC	026	6.00	36	34	35	93	13	01	29.28	30.04	03	CLR	NC	10.00		34	31	33	89	0	00	29.33	30.10
06	OVC	025	5.00	36	33	35	89	13	03	29.31	30.07	06	FEW	NC	10.00		35	30	33	82	3	04	29.32	30.09
09	OVC	020	5.00	38	34	36	86	13	03	29.31	30.08	09	BKN	250	10.00		49	30	41	48	7	12	29.31	30.07
12	OVC	021	9.00	39	34	37	82	17	03	29.35	30.12	12	OVC	250	9.00		48	36	43	63	9	06	29.27	30.02
15	OVC	007	10.00	38	34	36	86	12	01	29.37	30.14	15	OVC	180	6.00	HZ	45	34	40	66	7	06	29.21	29.97
18	OVC	020	9.00	36	34	35	93	9	05	29.34	30.11	18	OVC	200	6.00	HZ	45	30	39	56	6	03	29.18	29.94
21	OVC	005	5.00	35	35	35	100	17	06	29.28	30.04	21	OVC	200	9.00		42	29	37	60	5	VR	29.16	29.92
24	BKN	120	4.00	36	36	36	100	5	01	29.33	30.10	24	SCT	NC	10.00		42	28	36	58	9	06	29.13	29.88

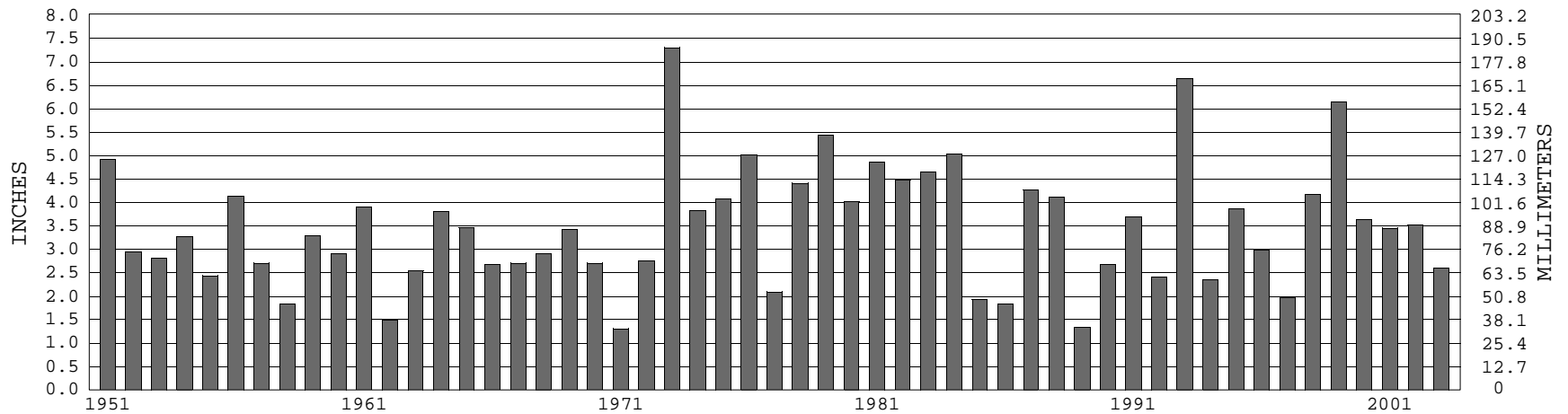
MILWAUKEE, WI APRIL TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1951-2003) Mean: 45.0 1961-1990 Normal: 45.2

MILWAUKEE, WI APRIL PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 3.47

1961-1990 Normal: 3.78



APRIL 2003

MILWAUKEE, WI

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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